



NASA's ER-2 equipped with remote sensing instruments similar to those on satellites will be used to fly above the clouds.



NASA's WB-57 equipped with in situ instruments will be used to penetrate the mid to upper level clouds.



NASA's DC-8 equipped with remote sensing and in-situ instruments will be used to provide chemistry and cloud measurements, including the TTL and stratosphere for satellite validation.



NASA's Polarization (NPOL) radar will collect data and provide weather information for the research flights over the Panama Bight.



University of Oklahoma's Shared Mobile Atmospheric Research and Training (SMART) radar will provide local weather data in San Jose for aircraft support.



Penn. State University's Nittany Atmospheric Trailer and Integrated Validation Experiment (NATIVE) will also collect data from Las Tablas, Panama.